**Staining Minimal Inhibitory Concentration (MIC) Assays for Cell Viability**

**Purpose:** To determine how much *Delftia acidovorans* is growing in the presence of different metal concentrations

**Methods:**

With MTT stain (Tetrazolium-based)

1. Prepare MIC plate as usual, with dilutions of metal in media + bacterial culture (See protocol for Minimal Inhibitory Concentration Assay)
2. Incubate plate overnight at 30oC
3. Add 20μl of 2% MTT to each well on the plate
4. Incubate plate at 30oC 1-2 hours
5. Read absorbance at 570 nm; shake plate for 30 sec before read begins

With alamarBlue stain (Resazurin-based)

1. Prepare MIC plate
2. Incubate plate overnight at 30oC
3. Add 10μl of 10x stain to each well on the plate
4. Incubate plate at 37oC for 1-4 hours, protect from light
5. Read absorbance at 570 nm, using 600nm as a reference; shake plate for 30 sec before read begins